AUDUBON

Subject Index for Volume 72-1970

Key: JF-January-February MA-March-April MJ-May-June JA-July-August SO-September-October ND-November-December

A bbey, Edward, APPALACHIAN PICTURES,

AGE OF ETERNAL TWILIGHT, THE, JA 4 air pollution, see pollution, air

Air Quality Act, criteria and control tech-

niques for, JA 105

Alaska pipeline: conservationists fight permits for, JA 104; Hickel announces support for, JA 104; "meddling" criticized by Alaskans, SO 146; threat to Arctic ecology, SO 68-75, 132

Albright, Horace M., 1969 recipient of Audubon Medal, MA 31

ALLURE OF THE MOSQUITO, THE, MJ 60

APARTMENT, THE, MA 4

APPALACHIAN PICTURES, SO 4

Arctic. Canadian: birding in, SO 14-35: oil tanker threat to, JF 117; polar bear hunt in, ND 149-152

Arctic National Wildlife Refuge, pipeline threat to, SO 68-75, 132

Atkinson, Brooks, BISCAYNE BAY—THE SPLENDOR, THE ENDLESS FIGHT TO SAVE IT. SO 36

AUDUBON ACTION, SO 137, ND 144

AUDUBON CAUSE, THE, JF 115, MA 113, MJ 105, JA 101, SO 131, ND 139

Audubon, John James, VESPERS THRUSH, MJ 40

Audubon Medal, awarded to Horace M. Albright for 1969, MA 31

AUDUBON VIEW, THE, JF 116, MA 114, MJ 108, JA 102, SO 132, ND 140

B ent, George P. II, elected director, National Audubon Society, MA 109 billboards, SO 132-133

Binger, Walter D., reelected director, National Audubon Society, MA 109

BIRD IS A VERB, JF 42

birds: albatross, black-footed, JF 55, 60-61, Laysan, JF 60-61, 62-63, MA 42-49; condor, California, ND 82-131; eagle, bald, SO 137, golden, MJ 107; goshawk, JF 40-41; nighthawk, MJ inside front cover; nightingale, SO 58-67; of the Black Mesa, JA 58-67, Hawaiian Islands, JF 44-63, tundra, SO 14-35; owl, short-eared, MA 20-21; peregrine, MA 120; thrush, wood, MJ 40-41; wood-cock, MA inside front cover; wood-pecker, pileated, MA 4-11

birds of prey, see raptors

BISCAYNE BAY—THE SPLENDOR, THE END-LESS FIGHT TO SAVE IT, SO 36

Black Mesa, adventures in, JA 58-67 Blacklock, Les, photographs of Quetico-

Superior by, JA 28-33 book reviews, MJ 97, SO 123 BACK TO NATURE, SO 124

BEYOND THE ASPEN GROVE, SO 124

BIOLOGY OF MAMMALS, MJ 97
BORN TO STARVE, SO 125
BUFFALO, THE, SO 124
CRISIS IN EDEN, SO 125
DESIGN WITH NATURE, MJ 98
HALIC, THE STORY OF A GRAY SEAL, SO 124
HILL OF SUMMER, THE, SO 123
JAVA DIARY, MJ 99
JOURNEY TO RED BIRDS, MJ 98
OUR PRECARIOUS HABITAT, SO 125
SEARCHERS AT THE GULF, SO 123
SECRETS OF PLANT LIFE, MJ 97
SHAKESPEARE'S FLOWERS, MJ 98
STORM PETREL AND THE OWL OF

ATHENA, THE, SO 123
YEAR OF THE WHALE, THE, MJ 97
Borland, Hal, Flowers of the 50, JA 18;
THE PLAINS, A BOY, A SUMMER DAY, MJ
42; A QUIET IN THE NIGHT, ND 26;

SNOWSTORM, JF 4
Brokaw, Dennis, photographs of chaparral
by, ND 5-12

Bronson, William, THE GREAT BEER CAN BUST, ND 146

Brooks, Paul, OKLAWAHA: "THE SWEETEST WATER-LANE IN THE WORLD," JA 34

Browder, Joe, the everglades, the jetport, and the future, MA 116 Bry, Ed, a may day in North Dakota

(photographic essay), MA 57 Bullaty, Sonja, photographs of snowstorm

by, JF 5-12

CALL IT LAKE INFERIOR, MJ 48

Callison, Charles H., NATIONAL OUTLOOK, JF 118, MA 118, MJ 106, JA 104, SO 134, ND 142

Caras, Roger, source of the thunder, ND 82

CARNAGE AT SAND LAKE, ND 66, editorial on, ND 140-141

cars, animal motifs for radiator caps, JF 36-39

Carson, Rachel, biography and story of SILENT SPRING, JF 70-102; national wildlife refuge named for, MJ 112

cartoons, MA 110, MJ 103, SO 128, ND 133

Caulfield, Patricia, photographs of Oklawaha River by, JA 37-40

Cavagnaro, David, photographs of meadow by, ND 29-35

channelization, stream, MA 52-53

CHAPARRAL, ND 4

Cheney, Margaret, BIRD IS A VERB, JF 42 chipmunk, ND inside front cover

Clean Water Restoration Act, sewage treatment funds for, JF 119

Clement, Roland C., PESTICIDE DOS AND DON'TS, MA 50; named to Corps of En-

gineers environmental board, JA 102

Coheleach, Guy, paintings by: condor, California, ND 83; goshawk, JF 40; owl, great gray, JA 56; owl, short-eared, MA 21; thrush, wood, MJ 40

COMING OF THE MIST, THE, ND 16 condor, California, ND 82-131, phosphate mine possible threat to, ND 141

Conway, William G., reelected director, National Audubon Society, MA 109 Cotton, Steve, EARTH DAY—WHAT HAP-

PENED, JA 112

Council on Environmental Quality, appointments to, MA 119

COUNTERPOINT (inside back covers): JF housing sprawl; MA water pollution; MJ strip coal mining; JA airboat scars; SO housing sprawl; ND air pollution

crane, whooping, 56 at Aransas refuge, MA 120

Crouch, Steve, photographs of mist by, ND 17-24

DAY CHOTEAU WENT DRY, THE, ND 153
DDT: causes decline of white-faced ibis,
SO 137; federal ban to limit use of, JF
118; foreign shipments continue, JF
118; Hardin study evaluates use of, SO
137; manufacturers appeal ban on use
of, MJ 107; phase-out announced, JF
116-117; production banned in Russia,
JA 105

DEATH OF MIDWAY'S ANTENNAS, THE, JF 62 DEATH ROW, JF 120, MJ 111, SO 139, ND 145

detergents, MJ 108, 112, ND 152

DIFFERENT AMERICA, A, JA 9

DILEMMA OF MACHIASPORT, THE, JA 106

Dowden, Anne Ophelia, paintings of state

Eagles: bald, dieldrin and mercury found in, SO 137; golden, blanket permits for killing of stopped, MJ 107

ecology: fire, SO 76-119; marine, SO 47-57; tundra, SO 14-35

ECOLOGY OF FIRE, THE, SO 76

flowers by, JA 21-27

Ehrlich, Paul R., PEOPLE POLLUTION, MJ 4

Endangered Species Act, enforcement provisions of improved, JF 119

endangered species: condor, California, ND 82-131; crane, whooping, MA 120; peregrine, MA 120

Enders, Ostrom, elected director, National Audubon Society, MA 109

energy, solar, future power source, JF 117 environment: canal threat to Oklawaha River, JA 34-45; dam threat to Hells Canyon, JF 14-27; detergent problem, MJ 108; development threat to Willapa Bay, ND 145; Gillham dam threat to Ouachita Mountains, SO 139; highlights of the 1960's, MA 118-119; man's dependence on, ND 26-27; mining problem for White Cloud Mountains, MJ 111; national awakening for, MJ 109-110, JA 112-115; national teach-in for, JF 122, MA 115; JA 112-115; oil pipeline threat to Arctic Alaska, SO 68-75; oil tanker problem for Canadian Arctic, JF 117; oil terminal threat to Machiasport, JA 106-111; President's message on, MA 114; Project Sanguine poses problems for, JF 104-109; pumped-storage plant threat to Berkshires, SO 137-138; thermal pollution problem to Biscayne Bay, SO 36-46, 120-122, removed, ND 144

Environmental Protection Agency, President submits plan for creation of, SO

Environmental Quality Education Act. proposed in Congress, MJ 107 ETCETERA, JF 122, MA 120, MJ 112, JA

116, SO 146, ND 154

Everglades National Park: jetport site remains threat to, JF 116, MA 116-117. SO 134-135; water guarantee for, SO 135 EVERGLADES, THE JETPORT, AND THE FU-TURE, THE, MA 116 extinct species, MA 44-49

rarb, Peter, THE NEW PARKS THAT AREN'T.

Faulkner, Douglas, photographs of sea life by, SO 49-56

Federal Water Quality Administration: finds mercury in fish, SO 137; name decreed by Water Quality Improvement Act, JA 105

Ferguson, Walter, WILDLIFE OF SINAL MA 32

fire, an ecological factor, SO 76-119 fire ant, mirex spraying proposed for. ND 143

fish, decline of along U.S. coast, ND 74-77 Fisher, Harvey I., THE DEATH OF MIDWAY'S ANTENNAS, JF 62

Fisher, James, obituary of, ND 132

flamingo, has good productive year, SO 137 Fleischmann, Mrs. D. L., reelected director, National Audubon Society, MA 109 FLOWERS OF THE 50, JA 18

FLY-ASH-BY-NIGHT CONSPIRACY, THE, ND 147

Forbush, Edward Howe, MARSH OWL, MA 20

Franson, John L., DEATH ROW, JF 121

Gibson, Henry, MEMO, SO 144 Gillham, C. E., TOMORROW'S CRITTERS. ND 41

Goelet, Robert G., reelected director, National Audubon Society, MA 109 GOOD DAY AT BLACK MESA, JA 58

Graham, Frank, Jr., THE DILEMMA OF MACHIASPORT, JA 106; SANCTUARY ON THE SUBWAY, MJ 54; SILENT SPRING— THE GENESIS AND THE STORM, JF 70; TEMPEST IN A NUCLEAR TEAPOT, MA 12 Grapsus grapsus, JA 52-55

GREAT BEER CAN BUST, THE, ND 146

Guffey, Rand, THE FLY-ASH-BY-NIGHT CON-SPIRACY, ND 147

Guthrie, A. B., Jr., THE DAY CHOTEAU

WENT DRY, ND 153

Guthrie, Mrs. Henry B., reelected director, National Audubon Society, MA 109

H AUNTED SANDS OF LAYSAN, MA 42 Hawaii: environmental problems of, MJ 24-31; Hawaiian Islands National Wildlife Refuge, JF 44-61, MA 42-49; Kipahulu Valley, MJ 10-23; Midway Islands,

HAWAHAN ISLANDS OF BIRDS, THE, JF 44 Hay, John, WHERE HAVE ALL THE FISHES

GONE? ND 74

Hells Canyon, dam threat to, JF 14-27 herbicides: sodium arsenite banned in Louisville, ND 144; use of 2,4,5-T restricted, JA 105

Highway Trust Fund, use of proposed for billboard removal, SO 132-133

Honey Hollow Watershed, highway and power line threat to, JF 120

Hope, Jack, PARKS ARE FOR PEOPLE? JA 68: REDWOODS FOREVER! REDWOODS FOR-EVER? MA 66

HORACE M. ALBRIGHT-AUDUBON MEDALIST. 1969, MA 31

HOW MUCH PHOSPHATE IN YOUR WASH? ND 152

Howe, Sydney, reelected director, National Audubon Society. MA 109

hunting: Arctic polar bears, ND 149-152; bag limit for ducks raised, ND 143; geese at Sand Lake refuge, ND 66-73; outside Yellowstone National Park, JA 93-95; politics and, ND 140-141; raptors in Utah, MA 120

bis, white-faced, DDT causes decline of,

Israel, wildlife of Sinai, MA 32-41, 115 IT MAY NOT BE FUNNY, MJ 103, ND 133

Jack, Wellborn, Jr., DEATH ROW, SO 139 Jamaica Bay Wildlife Refuge, MJ 54-59 JENNY LIND'S ISLAND, SO 14 Johnston, Verna R., THE ECOLOGY OF FIRE,

Kern, James A., photographs of Biscayne Bay by. SO 37-44

KILLER! JF 40

MENT, MA 4

KIPAHULU-FROM CINDERS TO THE SEA, MI 10

Kircher, Sylvia Foster, CHAPARRAL, ND 4 KISS THE NORTH SLOPE GOOD-BY? SO 68 Kitching, Jessie, book reviews. MJ 97-99. SO 123-125

Krutch, Joseph Wood, obituary, JA 97; UNNATURAL HISTORY, ND 36

Lake Superior, polluted by mining discharges, MJ 48-53

Lamm, Michael, WHEN BIRDS & BEASTS WENT MOTORING, JF 36

LANSDOWNE, J. FENWICK, ND 56, paintings by, ND 57-64

Larsen, Mrs. Roy E., reelected director. National Audubon Society, MA 109 LAST DAYS OF POLYPHEMUS, THE, MA 22

LAST GREAT DAM, THE, JF 14 Lawrence, Louise de Kiriline, THE APART-

Laycock, George, CALL IT LAKE INFERIOR. MJ 48: cited by American Alligator Council, MA 120; HAUNTED SANDS OF LAYSAN, MA 42; THE HAWAIIAN ISLANDS OF BIRDS, JF 44; KISS THE NORTH SLOPE GOOD-BY? SO 68: NOT ALL IS SANGUINE IN WISCONSIN, JF 104; TROUBLE IN PARADISE, MJ 24

Laysan Island, JF 52-59, MA 42-49

League of Conservation Voters, supports conservation-minded candidates, SO 146 LESSON FROM THE HIDDEN SEA, A, SO 47 letter to the editor, SO 126

LICHENS-MIRROR TO THE UNIVERSE, ND 44 lightning, SO 76-92

Line, Les, ETCETERA, JF 122, MA 120, MJ 112, JA 116, SO 146, ND 154; THE WORLD OF SALLY LIGHTFOOT, JA 52 Lomeo, Angelo, photographs of snow-

storm by, JF 5-12

McKee, Russell, a DIFFERENT AMERICA, IA 9

McKinley, Daniel, LICHENS-MIRROR TO THE UNIVERSE, ND 44

Madson, John, THE PRAIRIE BLIZZARD, MA 54

MANTIDS, JA inside front cover

MARSH OWL, MA 20

Matthiessen, Peter, KIPAHULU-FROM CIN-DERS TO THE SEA, MJ 10; THE RIVER-EATER, MA 52

MAY DAY IN NORTH DAKOTA, A (photographic essay), MA 57

MEADOW MORNING, ND 28

Mech, L. David, WHAT FATE FOR MINNE-SOTA'S WOLVES? ND 78

MEMO, SO 144

Midway Islands; antennas destroyed on, JF 62-63; Navy may enlarge facilities on, JF 61

mining: inequitable and outmoded laws for, ND 141; open pit, MJ 111; strip, MJ inside back cover

mist, essay on, ND 16-25

Moon, Peter, THE \$2,903.55 POLAR BEAR, ND 149

mosquitoes, MJ 60-96

moths: gypsy, MJ 109; Polyphemus silk. MA 22-30 MR. CHIP, ND inside front cover

National Audubon Society: directors elected, reelected, MA 109; membership reaches 100,000, SO 138; Nominating Committee named, JA 96, nominates new directors, SO 126-127; report on Seattle convention, SO 140-143; Robert K. Turner and Ron Klataske named area representatives, SO 138

National Forests: National Timber Supply Act threat to, JF 119, rejected by House, MJ 106: President's directive increases harvesting in, SO 136-137

National Oceanographic and Atmospheric Administration, President submits plan for creation of, SO 134

NATIONAL OUTLOOK, JF 118, MA 118, MJ 106, JA 104, SO 134, ND 142

National Park Service, problems of, JF 28-35

National Parks: hunting threat in proposed bill, JF 119, held in House subcommittee. ND 142: timber cutting threat to redwoods, MA 66-109; Yellowstone problems. JA 68-96

National Seashore: Padre Island, ND 143; Point Reves. JF 30-34, JA 116

National Wildlife Refuge: Hawaiian Is-

lands, JF 44-61; Sand Lake, ND 66-73 NATURALIST'S BOOKSHELF, MJ 97, SO 123 NEW PARKS THAT AREN'T, THE, JF 28

New York, bill prohibits sale of rare skins in, MJ 107, JA 105

NIGHTHAWKS, MJ inside front cover Norton, Boyd, DEATH ROW, MJ 111; THE LAST GREAT DAM, JF 14

NOT ALL IS SANGUINE IN WISCONSIN, JF 104

Obituaries: Fisher, James, ND 132; Krutch, Joseph Wood, JA 97 octopod, finned, photographed, MJ 112

oil: and a lesser scaup duck, SO 146; drilling limited in Santa Barbara channel, SO 133; pipeline threat to Alaska, JA 104, SO 68-75, 132; port planned for Machiasport, JA 106-111; spills continue, MJ 106-107

oil pollution, see pollution, oil

OKLAWAHA: "THE SWEETEST WATER-LANE IN THE WORLD", JA 34

OKLAWAHA UNSPOILED, THE (photographs). JA 37

Olson, Sigurd F., WILDERNESS BESIEGED. JA 28

Overton Park, highway threat to, JF 121

Padre Island National Seashore, grazing lease to expire at, ND 143

PARKS ARE FOR PEOPLE? JA 68 PEOPLE POLLUTION, MJ 4

PESTICIDE DOS AND DON'TS, MA 50

pesticides: DDT production banned in Russia, JA 105; dos and don'ts of, MA 50-51; federal ban limits use, JF 118; found in ducks and starlings. MA 120; loopholes on use remain. JF 118-119: major problem, MJ 6-7; mirex spraying proposed for fire ant, ND 143; parathion poisoning in North Carolina. ND 140; phase-out announced, JF 116-117: reduce peregrine population, MA 120; spraying proposed for caterpillars. SO 138

Pettingill, Dr. Olin Sewall, Jr., reelected director, National Audubon Society, MA 109

PILEATEDS IN A PINE TREE. MA 8

PLAINS, A BOY, A SUMMER DAY, THE, MJ 42 Plowden, David, SEE AMERICA FIRST (photographic essay), JA 46 Point Reyes National Seashore, more land

sought for. JF 30-34, JA 116

pollution: affects climate, MJ 7-9; air, JA 4-8, ND 142-143, 147-148; control law passed, MJ 106-107; highway litter, MJ 112; oil, MJ 106-107, JA 106-111, SO 68-75, 132, 133, ND 142-143; people, MJ 4-9, 24-31, 110, SO 126; solid waste, JA 103; thermal, MA 12-19, JA 105, SO 46, 120-122; water, MJ 48-53. 108, 112, ND 142

Pomeroy, R. Watson, reelected director, National Audubon Society, MA 109

Porter, Eliot, photographs of Polyphemus silk moths by. MA 22-29, of wildflowers, MJ 32-39

Pough, Richard H., reelected director, National Audubon Society, MA 109 power. nuclear, MA 12-19

PRAIRIE BLIZZARD, THE, MA 54

predation, JF 40-41, MA 20-21, ND 82-131

Project Sanguine, JF 104-109

Public Land Law Review Commission, issues report for public land use, SO 135-136

Pyle, Robert M., DEATH ROW, ND 145

Quetico-Superior region, grand portage through, JA 28-33 QUIET IN THE NIGHT, A, ND 26

R ailroads, rediscovered for travel, JA 9-17 raptors: condor, California, ND 82-131; eagle, bald. SO 137, golden, MJ 107; goshawk, JF 40-41; owl, short-eared, MA 20-21; peregrine, MA 120

Ratcliffe, Bill, photographs of dead trees, JF 65-68. of lichens, ND 45-52

READERS' TURN, THE, SO 126 recycling, success in Bucks County, Pennsylvania, ND 144

REDWOODS FOREVER! REDWOODS FOREVER? MA 66

RIDERS OF THE WIND, SO inside front cover Rienow, Robert and Leona T., THE AGE OF ETERNAL TWILIGHT, JA 4

RIVER-EATER, THE, MA 52

Rose, Margaret, book reviews, SO 123-125 Russell, Franklin, THE COMING OF THE MIST, ND 16; THE TREE IS LIVING YET! JF 64

S ANCTUARY ON THE SUBWAY, MJ 54 Santa Barbara channel, oil drilling in limited, SO 133

Sass, Herbert Ravenel, KILLER! JF 40 seal, fur: humane way to harvest studied, JA 116; protection and management has helped. MA 114-115

SEATTLE NOTEBOOK, SO 140

SEE AMERICA FIRST (photographic essay).

SELBORNE NIGHTINGALE, THE, SO 58 sequoias. MA 66-109, SO 92, 114-119 Sespe Creek, dam for doomed, MJ 107 Sherwood, Glen, CARNAGE AT SAND LAKE. ND 66

SILENT SPRING-THE GENESIS AND THE STORM, JF 70

Smith, C. Lavett, a LESSON FROM THE HID-

DEN SEA, SO 47 SMOKIES SPRING (photographic essay),

MJ 32 snow, JF 4-13. MA 54-65

SNOWSTORM, JF 4 solid waste, see pollution, solid waste SOURCE OF THE THUNDER, ND 82

state flowers, JA 18-27

Storm King, court issue again, ND 143 Sutton. George Miksch, GOOD DAY AT BLACK MESA, JA 58; JENNY LIND'S IS-LAND, SO 14

eale. Edwin Way, THE SELBORNE NIGHT-INGALE, SO 58

TEMPEST IN A NUCLEAR TEAPOT, MA 12 thermal pollution, see pollution, thermal TOMORROW'S CRITTERS, ND 41

TREE IS LIVING YET! THE, JF 64 trees: photographs of decaying and dead, JF 64-69; sequoia, MA 66-109, SO 92, 114-119

TROUBLE IN PARADISE, MJ 24

Truslow, Frederick Kent, photographs of pileated woodpeckers by, MA 8-11 \$2,903.55 POLAR BEAR, THE, ND 149

U.S. Army Corps of Engineers, creates environmental advisory board, JA 102 U.S. Department of the Interior, prepares bill to help non-game species, JA 103 U.S. Navy, continues research on Project Sanguine, JF 104-109 UNKNOWN OWL, THE, JA 56 UNNATURAL HISTORY, ND 36

V ESPERS THRUSH, MJ 40 Virgin River Gorge, highway threat to, JF 122

Water Bank Act, bill aimed to save wetlands, JA 105

water pollution, see pollution, water

Water Quality Improvement Act: decrees new name for administrative agency, JA 105; simplified enforcement sought for, JA 104-105

Wenzell, Alan T., named Treasurer, National Audubon Society, MA 109

WHAT FATE FOR MINNESOTA'S WOLVES? ND 78

WHEN BIRDS & BEASTS WENT MOTORING, JF 36

WHERE HAVE ALL THE FISHES GONE? ND 74 White Cloud Mountains, mining threat to, MJ 111

Wickersham, James R. Jr., reelected director, National Audubon Society, MA 109 WILDERNESS BESIEGED, JA 28

wildflowers: paintings of by Anne Ophelia Dowden, JA 21-27; photographs of by Eliot Porter, MJ 33-39

WILDLIFE OF SINAI, MA 32, editorial on, MA 115

WINTER VEGETARIANS, JF inside front cover wolf, timber, management problem in Minnesota, ND 78-81

WOOING WOODCOCK, MA inside front cover WORLD OF SALLY LIGHTFOOT, THE, JA 52 Worth, C. Brooke, THE ALLURE OF THE MOSQUITO, MJ 60; THE LAST DAYS OF POLYPHEMUS, MA 22

Y ellowstone National Park, problems of, JA 68-96

Young, Anne, DEATH ROW, JF 120; SEATTLE **NOTEBOOK**, **SO** 140